**Test Type:** 14-DAY **Route:** GAVAGE

Species/Strain: Rat/F 344/N

#### P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Pulegone CAS Number: 89-82-7

Date Report Requested: 10/22/2014 Time Report Requested: 12:21:53

First Dose M/F: NA / NA

Lab: BAT

C Number: C99020

**Lock Date:** 10/24/2001

Cage Range: All

Date Range: All

Reasons For Removal:

Removal Date Range: All

Treatment Groups: All

Study Gender: Both

PWG Approval Date NONE

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Pulegone CAS Number: 89-82-7

Species/Strain: Rat/F 344/N

Test Type: 14-DAY

Route: GAVAGE

Date Report Requested: 10/22/2014 Time Report Requested: 12:21:53

First Dose M/F: NA / NA

Lab: BAT

F 344/N Rat Male 0 MG/KG		0 0 1 7	0 0 1 7	0 0 1 7	0 0 1 7	0 0 1 7			
	ANIMAL ID	0 0 1 0 1	0 0 1 0 2	0 0 1 0 3	0 0 1 0 4	0 0 1 0 5	*TC	ТА	LS
Alimentary System									
Liver Hepatodiaphragmatic Nodule		+	+ X	+	+	+	5	1	
Infiltration Cellular, Mononucl	ear Cl	1	1		1	1		4	1.0

**Cardiovascular System** 

NONE

**Endocrine System** 

NONE

**General Body System** 

NONE

**Genital System** 

Testes + 1
Atrophy 4

**Hematopoietic System** 

NONE

**Integumentary System** 

NONE

**Musculoskeletal System** 

+ .. Tissue examined microscopically

M .. Missing tissue

1 4.0

X ..Lesion present

A .. Autolysis precludes evaluation

I .. Insufficient tissue

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Pulegone CAS Number: 89-82-7

Species/Strain: Rat/F 344/N

Test Type: 14-DAY

Route: GAVAGE

First Dose M/F: NA / NA Lab: BAT

Date Report Requested: 10/22/2014

Time Report Requested: 12:21:53

F 344/N Rat Male 0 MG/KG	DAY ON TEST	0 0 1 7 0 0 1 0 1	0 0 1 7 0 0 1 0 2	0 0 1 7 0 0 1 0 3	0 0 1 7 0 0 0 1 0 4	0 0 1 7 0 0 1 0 1 0 5	*TC	) TA	LS
NONE Nervous System									
Brain Respiratory System		+	+	+	+	+	5		
Lung Alveolus, Infiltration Cellul	ar, Histiocyte	+	+	+	+	+	5	1	1.0
Interstitium, Inflammation Special Senses System		1	1	1	1	1		5	1.0
NONE Urinary System									
Kidney Nephropathy		+ 1	+ 1	+ 1	+ 1	+ 1	5	5	1.0

A .. Autolysis precludes evaluation

I ..Insufficient tissue

BLANK .. Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

<sup>+ ..</sup>Tissue examined microscopically

M .. Missing tissue

X ..Lesion present

Test Type: 14-DAY Route: GAVAGE

Species/Strain: Rat/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Pulegone **CAS Number:** 89-82-7

Date Report Requested: 10/22/2014 Time Report Requested: 12:21:53

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST

F 344/N Rat Male 37.5 MG/KG

ANIMAL ID

\*TOTALS

**Alimentary System** 

NONE

Cardiovascular System

NONE

**Endocrine System** 

NONE

**General Body System** 

NONE

**Genital System** 

NONE

**Hematopoietic System** 

NONE

**Integumentary System** 

NONE

Musculoskeletal System

NONE

**Nervous System** 

NONE

+ .. Tissue examined microscopically

M .. Missing tissue

A .. Autolysis precludes evaluation

X .. Lesion present I .. Insufficient tissue

BLANK .. Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

4) Marked 2) Mild

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Pulegone

**CAS Number:** 89-82-7

Date Report Requested: 10/22/2014 Time Report Requested: 12:21:53

First Dose M/F: NA / NA

Lab: BAT

**Test Type:** 14-DAY **Route:** GAVAGE

Species/Strain: Rat/F 344/N

DAY ON TEST

F 344/N Rat Male 37.5 MG/KG

ANIMAL ID

\*TOTALS

**Respiratory System** 

NONE

**Special Senses System** 

NONE

**Urinary System** 

NONE

M .. Missing tissue

X ..Lesion present

A .. Autolysis precludes evaluation

I ..Insufficient tissue

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

<sup>+ ..</sup> Tissue examined microscopically

## P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL Test Compound: Pulegone

**CAS Number:** 89-82-7

Date Report Requested: 10/22/2014 Time Report Requested: 12:21:53

First Dose M/F: NA / NA

Lab: BAT

Route: GAVAGE
Species/Strain: Rat/F 344/N

Test Type: 14-DAY

F 344	/N Rat Male
75	MG/KG

DAY ON TEST	0	0	0	0	0
	0	0	0	0	0
	1	1	1	1	1
	7	7	7	7	7
ANIMAL ID	0	0	0	0	0
AMIMAL ID	0	0	0	0	0
	0	3	3	3	3
	0	0	0	0	0
	1	2	3	4	5

\*TOTALS

**Alimentary System** 

Liver + + + + + 5

Infiltration Cellular, Mononuclear Cl 1 1 2 1.0

**Cardiovascular System** 

NONE

**Endocrine System** 

NONE

**General Body System** 

NONE

**Genital System** 

NONE

**Hematopoietic System** 

Lymph Node + 1

Hemorrhage, Acute 3 1 3.0

**Integumentary System** 

NONE

**Musculoskeletal System** 

NONE

+ .. Tissue examined microscopically

M .. Missing tissue

A .. Autolysis precludes evaluation

X ..Lesion presentI ..Insufficient tissue

BLANK .. Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL Test Compound: Pulegone

**CAS Number:** 89-82-7

Date Report Requested: 10/22/2014 Time Report Requested: 12:21:53

First Dose M/F: NA / NA

Lab: BAT

Route: GAVAGE Species/Strain: Rat/F 344/N

Test Type: 14-DAY

F 344	/N I	Rat	Male
75	MC	3/K(	G

DAY ON TEST	0	0	0	0	0
	<i>1 7</i>				
ANIMAL ID	0 0 3	0 0 3	0 0 3	0 0 3	0 0 3
	0 1	0	0 3	0 4	0 5

\*TOTALS

**Nervous System** 

NONE

**Respiratory System** 

NONE

**Special Senses System** 

NONE

**Urinary System** 

NONE

M .. Missing tissue

X ..Lesion present

I .. Insufficient tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

<sup>+ ..</sup> Tissue examined microscopically

#### P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Date Report Requested: 10/22/2014 Time Report Requested: 12:21:53

First Dose M/F: NA / NA

Lab: BAT

Test Compound: Pulegone
CAS Number: 89-82-7

Species/Strain: Rat/F 344/N

Test Type: 14-DAY

Route: GAVAGE

F 344/	N Rat	Male
150	MG/K	G

DAY ON TEST	0	0	0	0	0
	<i>1 7</i>				
ANIMAL ID	0 0 4	0 0 4	0 0 4	0 0 4	0 0 4
	0	0 2	0	0 4	0 5

\*TOTALS

#### **Alimentary System**

Liver	+	+	+	+	+	5		
Infiltration Cellular, Mononuclear Cl		1			1		2	1.0
Necrosis		1					1	1.0
Vacuolization Cytoplasmic		1					1	1.0

#### **Cardiovascular System**

NONE

**Endocrine System** 

NONE

**General Body System** 

NONE

**Genital System** 

NONE

**Hematopoietic System** 

NONE

**Integumentary System** 

NONE

**Musculoskeletal System** 

+ .. Tissue examined microscopically

M .. Missing tissue

X ..Lesion present

A .. Autolysis precludes evaluation

I .. Insufficient tissue

BLANK .. Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL Test Compound: Pulegone

**CAS Number:** 89-82-7

Date Report Requested: 10/22/2014 Time Report Requested: 12:21:53

First Dose M/F: NA / NA

Lab: BAT

Species/Strain: Rat/F 344/N

Test Type: 14-DAY

Route: GAVAGE

F 344/N Rat Male MG/KG

DAY ON TEST	0	0	0	0	0
	<i>1 7</i>				
ANIMAL ID	0 0 4	0 0 4	0 0 4	0 0 4	0 0 4
	0	0	0	0 4	0 5

\*TOTALS

NONE

**Nervous System** 

NONE

**Respiratory System** 

NONE

**Special Senses System** 

NONE

**Urinary System** 

NONE

M .. Missing tissue

X ..Lesion present

I .. Insufficient tissue

A .. Autolysis precludes evaluation BLANK .. Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

<sup>+ ..</sup> Tissue examined microscopically

#### P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL Test Compound: Pulegone

**CAS Number:** 89-82-7

Date Report Requested: 10/22/2014 Time Report Requested: 12:21:53

First Dose M/F: NA / NA

Lab: BAT

Route: GAVAGE Species/Strain: Rat/F 344/N

Test Type: 14-DAY

F 344/N Rat Male 300 MG/KG	DAY ON TEST	0 0 0 3	0 0 0 4	0 0 0 3	0 0 0 3	0 0 0 3			
300 MO/NO	ANIMAL ID	0 0 5 0 1	0 0 5 0 2	0 0 5 0 3	0 0 5 0 4	0 0 5 0 5	*TC	OTA	LS
Alimentary System							•		
Liver		+	+	+	+	+	5		
Infiltration Cellular, Mono	nuclear Cl	1	1	1		1		4	1.0
Necrosis		3	3	2	1	2		5	2.2
Vacuolization Cytoplasmi	С	3	3	3	2	2		5	2.6
Pancreas			+				1		

1

#### **Cardiovascular System**

Inflammation

NONE

**Endocrine System** 

NONE

**General Body System** 

NONE

**Genital System** 

NONE

**Hematopoietic System** 

NONE

**Integumentary System** 

NONE

+ .. Tissue examined microscopically

M .. Missing tissue

1 1.0

A .. Autolysis precludes evaluation

X ..Lesion present I .. Insufficient tissue

BLANK .. Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Pulegone **CAS Number:** 89-82-7

Route: GAVAGE Species/Strain: Rat/F 344/N

Test Type: 14-DAY

Date Report Requested: 10/22/2014 Time Report Requested: 12:21:53

First Dose M/F: NA / NA

Lab: BAT

F 344/N Rat Male MG/KG

DAY ON TEST	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	3	4	3	3	3
ANIIMAL ID	0	0	0	0	0
ANIMAL ID	0	0	0	0	0 5
	5	5	5	5	5
	0	0	0	0	0
	1	2	3	4	5

\*TOTALS

Musculoskeletal System

NONE

**Nervous System** 

NONE

**Respiratory System** 

NONE

**Special Senses System** 

NONE

**Urinary System** 

NONE

M .. Missing tissue

X ..Lesion present

I .. Insufficient tissue

A .. Autolysis precludes evaluation BLANK .. Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

<sup>+ ..</sup> Tissue examined microscopically

#### P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Date Report Requested: 10/22/2014 Time Report Requested: 12:21:53

First Dose M/F: NA / NA

Lab: BAT

Test Type: 14-DAY

Route: GAVAGE

CAS Number: 89-82-7

Species/Strain: Rat/F 344/N

F 344/	N Rat N	/lale
600	MG/KG	}

DAY ON TEST	0	0	0	0	0
	0	0	0	0	0
ANIMAL ID	0	0	0	0	0
	2	2	3	2	3
	0	0	0	0	0
	0	0	0	0	0
	6	6	6	6	6
	0	0	0	0	0
	1	2	3	4	5

\*TOTALS

#### **Alimentary System**

				+	1		
				2		1	2.0
+	+	+	+	+	5		
	Χ					1	
	1	1		1		3	1.0
	1	2	1	3		4	1.8
1	2	2	2	3		5	2.0
	+		X 1 1	1 1	+ + + + + + X 1 1 1 1	+ + + + + 5 X 1 1 1 1	+ + + + + 5 X 1 1 1 1 1 3

#### Cardiovascular System

NONE

**Endocrine System** 

NONE

**General Body System** 

NONE

**Genital System** 

NONE

#### **Hematopoietic System**

 Thymus
 +
 1

 Hemorrhage
 2
 1
 2.0

+ .. Tissue examined microscopically

M .. Missing tissue

X ..Lesion present

A .. Autolysis precludes evaluation

I .. Insufficient tissue

BLANK .. Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

Experiment Number: 99020-01	P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
=xpointerit itanibori 00020 01	

Test Compound: Pulegone CAS Number: 89-82-7

Time Report Requested: 12:21:53

Date Report Requested: 10/22/2014

First Dose M/F: NA / NA

Lab: BAT

Species/Strain: Rat/F 344/N

Test Type: 14-DAY

Route: GAVAGE

F 344/	N Rat	Male
600	MG/k	(G

DAY ON TEST	0	0	0	0	0	
	0	0	0	0	0	
	0	0	0	0	0	
	2	2	3	2	3	
ANIMAL ID	0	0	0	0	0	
AMIMAL ID	0	0	0	0	0	
	6	6	6	6	6	
	0	0	0	0	0	
	1	2	3	4	5	*TOTALS
			2			1 2.0

Necrosis, Acute

**Integumentary System** 

NONE

**Musculoskeletal System** 

NONE

Brain

**Nervous System** 

Respiratory System

Lung + + + + + 5

Alveolus, Infiltration Cellular, Histiocyte 1 1 1 1 1 4 1.0

Interstitium, Inflammation 1 1 1 1 3 1.0

**Special Senses System** 

NONE

**Urinary System** 

Kidney + + + + + 5
Nephropathy 1 1 1.0

\*\*\*END OF MALE DATA\*\*\*

M .. Missing tissue

X ..Lesion present

A .. Autolysis precludes evaluation

I ..Insufficient tissue

BLANK .. Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

<sup>+ ..</sup> Tissue examined microscopically

#### **Experiment Number: 99020-01** P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Pulegone **CAS Number:** 89-82-7

Date Report Requested: 10/22/2014 Time Report Requested: 12:21:53

First Dose M/F: NA / NA

Lab: BAT

Species/Strain: Rat/F 344/N

Test Type: 14-DAY

Route: GAVAGE

F	344/N	Rat	Female
0	MG/K	3	

DAY ON TEST	0	0	0	0	0
	0	0	0	0	0
	1	1	1	1	1
	7	7	7	7	7
ANIMAL ID	0	0	0	0	0
	0	0	0	0	0
	1	1	1	1	1
	5	5	5	5	5
	1	2	3	4	5

\*TOTALS

#### **Alimentary System**

Liver	+	+	+	+	+	5		
Hepatodiaphragmatic Nodule					Χ		1	
Infiltration Cellular, Mononuclear Cl	1	1	1	1	1		5	1.0

#### **Cardiovascular System**

NONE

**Endocrine System** 

NONE

**General Body System** 

NONE

**Genital System** 

NONE

**Hematopoietic System** 

Lymph Node Hyperplasia

**Integumentary System** 

NONE

**Musculoskeletal System** 

+ .. Tissue examined microscopically

M .. Missing tissue

1 2.0

A .. Autolysis precludes evaluation

X ..Lesion present I .. Insufficient tissue

BLANK .. Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Pulegone **CAS Number:** 89-82-7

Species/Strain: Rat/F 344/N

Test Type: 14-DAY

Route: GAVAGE

Date Report Requested: 10/22/2014 Time Report Requested: 12:21:53

First Dose M/F: NA / NA

Lab: BAT

F 344/N Rat Female 0 MG/KG	DAY ON TEST	0 0 1 7 0 0 1 5 1	0 0 1 7 0 0 1 5 2	0 0 1 7 0 0 1 5 3	0 0 1 7 0 0 1 5 4	0 0 1 7 0 0 1 5 5	*TC	<u>OTA</u>	LS_
NONE Nervous System									
Brain Respiratory System		+	+	+	+	+	5		
Lung		+	+	+	+	+	5		
Alveolus, Infiltration Cellula	r, Histiocyte	1		1		1		3	1.0
Interstitium, Inflammation Special Senses System				1	1	1		3	1.0
NONE Urinary System									
Kidney Nephropathy		+	+	+ 1	+ 1	+ 1	5	3	1.0

M .. Missing tissue

A .. Autolysis precludes evaluation

I ..Insufficient tissue

BLANK .. Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

<sup>+ ..</sup>Tissue examined microscopically

X ..Lesion present

Test Type: 14-DAY Route: GAVAGE

Species/Strain: Rat/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Pulegone **CAS Number:** 89-82-7

Date Report Requested: 10/22/2014 Time Report Requested: 12:21:53

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST

### F 344/N Rat Female 37.5 MG/KG

ANIMAL ID

\*TOTALS

**Alimentary System** 

NONE

Cardiovascular System

NONE

**Endocrine System** 

NONE

**General Body System** 

NONE

**Genital System** 

NONE

**Hematopoietic System** 

NONE

**Integumentary System** 

NONE

Musculoskeletal System

NONE

**Nervous System** 

NONE

+ .. Tissue examined microscopically

M .. Missing tissue

A .. Autolysis precludes evaluation

X .. Lesion present I .. Insufficient tissue

BLANK .. Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Pulegone

**CAS Number:** 89-82-7

Date Report Requested: 10/22/2014 Time Report Requested: 12:21:53

First Dose M/F: NA / NA

Lab: BAT

**Test Type:** 14-DAY **Route:** GAVAGE

Species/Strain: Rat/F 344/N

DAY ON TEST

# F 344/N Rat Female 37.5 MG/KG

ANIMAL ID

\*TOTALS

**Respiratory System** 

NONE

**Special Senses System** 

NONE

**Urinary System** 

NONE

M .. Missing tissue

X ..Lesion present

A .. Autolysis precludes evaluation

I ..Insufficient tissue

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

<sup>+ ..</sup> Tissue examined microscopically

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Pulegone CAS Number: 89-82-7

Species/Strain: Rat/F 344/N

Test Type: 14-DAY

Route: GAVAGE

Date Report Requested: 10/22/2014 Time Report Requested: 12:21:53

First Dose M/F: NA / NA

Lab: BAT

F 344	/N Rat Female
75	MG/KG

DAY ON TEST	0 0 1 7	0 0 1 7	0 0 1 7	0 0 1 7	0 0 1 7	
ANIMAL ID	0 0 3 5 1	0 0 3 5 2	0 0 3 5 3	0 0 3 5 4	00355	

\*TOTALS

**Alimentary System** 

Liver + + + + +

Infiltration Cellular, Mononuclear Cl 1 1 1 1 4 1.0

**Cardiovascular System** 

NONE

**Endocrine System** 

NONE

**General Body System** 

NONE

**Genital System** 

NONE

**Hematopoietic System** 

NONE

**Integumentary System** 

NONE

**Musculoskeletal System** 

NONE

**Nervous System** 

+ .. Tissue examined microscopically

M .. Missing tissue

A .. Autolysis precludes evaluation

X ..Lesion presentI ..Insufficient tissue

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Pulegone

**CAS Number:** 89-82-7

Date Report Requested: 10/22/2014 Time Report Requested: 12:21:53

First Dose M/F: NA / NA

Lab: BAT

Route: GAVAGE Species/Strain: Rat/F 344/N

Test Type: 14-DAY

F 344/N Rat Female 75 MG/KG

DAY ON TEST	0	0	0	0	0	
	0	0	0	0	0	
	1	1	1	1	1	
ANIMAL ID	7	7	7	7	7	
	0	0	0	0	0	
	0	0	0	0	0	
	3	3	3	3	3 5	
	5	5	5	5	5	
	1	2	3	4	5	

\*TOTALS

NONE

**Respiratory System** 

NONE

**Special Senses System** 

NONE

**Urinary System** 

NONE

M .. Missing tissue

X ..Lesion present

I .. Insufficient tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

<sup>+ ..</sup> Tissue examined microscopically

#### Experiment Number: 99020-01 P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Pulegone CAS Number: 89-82-7

Date Report Requested: 10/22/2014 Time Report Requested: 12:21:53

First Dose M/F: NA / NA

Lab: BAT

Species/Strain: Rat/F 344/N

Test Type: 14-DAY

Route: GAVAGE

F 344/	N Rat	Female
150	MG/K	G

AY ON TEST	0	0	0	0	0
	0	0	0	0	0
	1	1	1	1	1
	7	7	7	7	7
ANIMAL ID	0	0	0	0	0
AMIMAL ID	0	0	0	0	0
	4	4	4	4	4
	4 5	5	5	4 5	5
	1	2	3	4	5

\*TOTALS

#### **Alimentary System**

_iver	+	+	+	+	+	5		
Bile Duct, Hyperplasia					1		1	1.0
Hematopoietic Cell Proliferation					1		1	1.0
Hepatodiaphragmatic Nodule			Χ				1	
Infiltration Cellular, Mononuclear Cl	1		1				2	1.0

D

**Cardiovascular System** 

NONE

**Endocrine System** 

NONE

**General Body System** 

NONE

**Genital System** 

NONE

**Hematopoietic System** 

NONE

**Integumentary System** 

NONE

+ .. Tissue examined microscopically

M .. Missing tissue

X ..Lesion present

A .. Autolysis precludes evaluation

I ..Insufficient tissue

BLANK .. Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Pulegone **CAS Number:** 89-82-7

Route: GAVAGE Species/Strain: Rat/F 344/N

Test Type: 14-DAY

Date Report Requested: 10/22/2014 Time Report Requested: 12:21:53

First Dose M/F: NA / NA

Lab: BAT

F 344/	N Rat Female
150	MG/KG

DAY ON TEST	0	0	0	0	0	
	1 7	1 7	1 7	1 7	1 7	
ANIMAL ID	0	0	0	0	0	
	4	4	4	4	4	
	5	5 2	4 5	5	5	l
	1	2	3	4	5	l

\*TOTALS

Musculoskeletal System

NONE

**Nervous System** 

NONE

**Respiratory System** 

NONE

**Special Senses System** 

NONE

**Urinary System** 

NONE

M .. Missing tissue

X ..Lesion present

I .. Insufficient tissue

A .. Autolysis precludes evaluation BLANK .. Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

<sup>+ ..</sup> Tissue examined microscopically

#### P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Date Report Requested: 10/22/2014 Time Report Requested: 12:21:53

First Dose M/F: NA / NA

Lab: BAT

Test Type: 14-DAY

Route: GAVAGE

CAS Number: 89-82-7

Species/Strain: Rat/F 344/N

D

F 344/	N Rat Female
300	MG/KG

AY ON TEST	0	0	0	0	0
	0	0	0	0	0
ANIMAL ID	1	0	0	0	0
	7	3	3	4	3
	0	0	0	0	0
AMIMAL ID	U	0	0	0	0
	5 5	5	5	5 5	5
	5	5 5	5 5 3	5	5 5 5
	1	2	3	4	5

\*TOTALS

#### **Alimentary System**

Liver	+	+	+	+	+	5		
Degeneration	1						1	1.0
Necrosis		2	1	2	3		4	2.0
Vacuolization Cytoplasmic		2	2	3	3		4	2.5

**Cardiovascular System** 

NONE

**Endocrine System** 

NONE

**General Body System** 

NONE

**Genital System** 

NONE

**Hematopoietic System** 

NONE

**Integumentary System** 

NONE

**Musculoskeletal System** 

+ .. Tissue examined microscopically

M .. Missing tissue

X ..Lesion present

A .. Autolysis precludes evaluation

I ..Insufficient tissue

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL Test Compound: Pulegone

**CAS Number:** 89-82-7

Date Report Requested: 10/22/2014 Time Report Requested: 12:21:53

First Dose M/F: NA / NA

Lab: BAT

Test Type: 14-DAY Route: GAVAGE

Species/Strain: Rat/F 344/N

F 344/	N Rat	Female
300	MG/K	G

DAY ON TEST	0	0	0	0	0
D/(1 01( 1201	Ô	Ô	Ô	Ô	Ô
	1	Ô	Ô	Ô	0
	7	3	3	4	3
ANIMAL ID	0	0	0	0	0
	ő	Ö	Ö	Ö	ŏ
	5	5	5	5	5
	5	5	5	5	
	1	2	3	4	5

\*TOTALS

NONE

**Nervous System** 

NONE

**Respiratory System** 

NONE

**Special Senses System** 

NONE

**Urinary System** 

NONE

M .. Missing tissue

X ..Lesion present

A .. Autolysis precludes evaluation

I .. Insufficient tissue

BLANK .. Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

<sup>+ ..</sup> Tissue examined microscopically

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Pulegone **CAS Number:** 89-82-7

Species/Strain: Rat/F 344/N

Test Type: 14-DAY

Route: GAVAGE

Date Report Requested: 10/22/2014 Time Report Requested: 12:21:53

First Dose M/F: NA / NA

Lab: BAT

	DATONIEST	U	ı
F 344/N Rat Female		0	
r 344/IN Nat remaie		0	
600 MG/KG	DAT ON TEST	3	
		0	Г

DAY ON TEST	0	0	0	0	0	
	0	0	0	0	0	
	0	0	0	0	0	
ANIMAL ID	3	2	2	2	3	
	0	0	0	0	0	
	0	0	0	0	0	
	6 5	6	6	6 5	6	
	5	5 2	6 5 3	5	6 5 5	
	1	2	3	4	5	

\*TOTALS

#### **Alimentary System**

Intestine Small, Duodenum	+					1		
Inflammation	2						1	2.0
Liver	+	+	+	+	+	5		
Hematopoietic Cell Proliferation	1						1	1.0
Hepatodiaphragmatic Nodule	Χ						1	
Necrosis	1	2	2	1	1		5	1.4
Vacuolization Cytoplasmic	2	2	2	2	2		5	2.0

#### Cardiovascular System

NONE

**Endocrine System** 

NONE

**General Body System** 

NONE

**Genital System** 

NONE

**Hematopoietic System** 

NONE

**Integumentary System** 

+ .. Tissue examined microscopically

M .. Missing tissue

X ..Lesion present

A .. Autolysis precludes evaluation

I .. Insufficient tissue

BLANK .. Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

Experiment Number: 99020-01 P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Pulegone

Route: GAVAGE CAS Number: 89-82-7

Species/Strain: Rat/F 344/N

Test Type: 14-DAY

F 344/	N Rat Female
600	MG/KG

	_					1
DAY ON TEST	0	0	0	0	0	
	0	0	0	0	0	
ANIMAL ID	0	0	0	0	0	
	3	2	2	2	3	
	0	0	0	0	0	
	0	0	0	0	0	
	6	6	6	6	6	
	5	5	5	5	5	
	1	2	3	4	5	*-

\*TOTALS

NONE

#### **Musculoskeletal System**

NONE

#### **Nervous System**

Brain + + + + + 5

#### **Respiratory System**

Lung + + + + + 5

Alveolus, Infiltration Cellular, Histiocyte 1 1 1.0

Interstitium, Inflammation 1 1 1 1 4 1.0

#### **Special Senses System**

NONE

#### **Urinary System**

 Kidney
 + + + + + + 5

 Nephropathy
 1
 1
 1
 3
 1.0

\*\* END OF REPORT \*\*

M .. Missing tissue

X .. Lesion present

A .. Autolysis precludes evaluation

I .. Insufficient tissue

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild

4) Marked

Date Report Requested: 10/22/2014

Time Report Requested: 12:21:54

First Dose M/F: NA / NA

Lab: BAT

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

<sup>+ ..</sup> Tissue examined microscopically